

Published Work in 2018

1. D. He, X. Wang, D. Gao and J. Wang, Modeling the 2016-2017 Yemen cholera outbreak with the impact of limited medical resources, *Journal of Theoretical Biology*, vol. 451, pp. 80-85, 2018.
2. X. Wang, X.-Q. Zhao and J. Wang, A cholera epidemic model in a spatiotemporally heterogeneous environment, *Journal of Mathematical Analysis and Applications*, vol. 468, pp. 893-912, 2018.
3. C. Yang, A. Edwards and J. Wang, On the dynamics of a class of perturbed cyclic Lotka-Volterra systems, *International Journal of Biomathematics*, vol. 11(4), 1850098, 2018.
4. C. Yang and J. Wang, On the intrinsic dynamics of bacteria in waterborne infections, *Mathematical Biosciences*, vol. 296, pp. 71-81, 2018.
5. C. Yang, D. Posny, F. Bao and J. Wang, A multi-scale cholera model linking between-host and within-host dynamics, *International Journal of Biomathematics*, vol. 11(3), 1850034, 2018.
6. Lingju Kong, Homoclinic solutions for a higher order difference equation, *Appl. Math. Lett.***86**(2018), 186--193.
7. Lingju Kong, Solutions of a class of discrete fourth order boundary value problems, *Minimax Theory Appl.***3**(2018), 35--46.
8. Yaqin Feng, John R. Graef, Lingju Kong, and Min Wang, The forward and inverse problems for a fractional boundary value problem, *Appl. Anal.***97**(2018), 2474--2484.
9. John R. Graef, Shapour Heidarkhani, Lingju Kong, and Min Wang, Existence of solutions to a discrete fourth order boundary value problem, *Difference Equ. Appl.***24**(2018), 849--858.
10. John R. Graef, Shapour Heidarkhani, and Lingju Kong, Existence of solutions to an impulsive Dirichlet boundary value problem, *Fixed Point Theory***19** (2018), 225--234.
11. John R. Graef, Johnny Henderson, Lingju Kong, and Sherry Liu, *Ordinary Differential Equations and Boundary Value Problems, Volume I: Advanced Ordinary Differential Equations*, Trends in Abstract and Applied Analysis, Volume 7, World Scientific Publishing Company, New Jersey, 2018,
12. John R. Graef, Johnny Henderson, Lingju Kong, and Sherry Liu, *Ordinary Differential Equations and Boundary Value Problems, Volume II: Boundary Value Problems*, Trends in Abstract and Applied Analysis, Volume 8, World Scientific Publishing Company, New Jersey, 2018.

13. **E. Panagiotou**, and K.W. Plaxco, 2018, A topological study of protein folding kinetics Topology of Biopolymers, *AMS Contemporary Mathematics Series*(accepted)
14. **E. Panagiotou**, 2018, Topological entanglement and its relation to polymer material properties *Knots in Hellas II* (accepted)
15. K.C. Millet, **E. Panagiotou**, 2018, Linking matrices in systems with periodic boundary conditions *J. Phys. A: Math. Theor.***51**225001
16. Jacobs, D., Tilstra, D., Benjamin, F., Pittman, S., James, H., Thayer, J., **Klingbeil, N. T.**, Arellano, J., Tyler, C. Adventist Millennials: Measuring Emerging Adults' Connection to Church. *Review of Religious Research*. <http://dx.doi.org/10.1007/s13644-018-0348-3>
17. **Boris Belinskiy**, D. Kotval, Optimal design of minimum mass structures for a generalized Sturm-Liouville problem on an interval and a metric graph *Electron. J. Differential Equations*, 2018, No. 119, 1-18 (2018).
18. E. Zoog, **C. Gao**, R Simon, JD Stanley R Moor and et al. “Enhanced Recovery Protocol Compliance Influences Length of Stay: Resolving Barriers to Implementation”, *The American Surgeon*, 84(6):801-807, 2018.
19. M. Tripathi, C. Zacheaus K. Doxtater, **C.Gao** and et al., “Z Probe, an Efficient Tool for Characterizing Long Non-Coding RNA in FFPE Tissues”, *Non-Coding RNA*, 4-20,2018, doi:10.3390/ncrna4030020.
20. L. Hayes, **C. Gao**, L. Ebensperger, and C. Loreto, “Male group members are costly to plurally breeding Octodon degus females”, accepted for publication on oct. 24 2018 by *Journal Behavior*.
21. Asplund, John; Loizeaux, Marc; **Van der Merwe, Lucas**, A note on total domination edge critical graphs. *J. Combin. Math. Combin. Comput.* **104** (2018), 245–260.
22. **Aniekan A. Ebiefung**. The Vertical Generalized Complementarity Problem: Mixed Lubrication and Choice of Technology Models. *IORMS Journal of Mathematics and Statistics*, Vol. 1, pp 45-52, 2018.
23. **Aniekan A. Ebiefung**, Michael Kostreva. Operations Research, Economic Development, and Social Mobility. *Journal of Mathematical Research*, Vol. 10, No. 3; 2018.